

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P-2003-028WO</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/DK2004/000832</b>	International filing date (day/month/year) <b>30/11/2004</b>	(Earliest) Priority Date (day/month/year) <b>05/12/2003</b>
Applicant  <b>OTICON A/S</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

**4. With regard to the title,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK2004/000832

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04R25/00 H04R25/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 359 377 A (ROSENSTAND GERD) 19 December 1967 (1967-12-19)	1,3-8
Y	column 3, line 1 - line 10; figure 5	2
Y	US 4 620 605 A (GORE ET AL) 4 November 1986 (1986-11-04) abstract column 4, line 10 - column 5, line 26; figures 3-5	2
A	WO 01/69974 A (KNOWLES ELECTRONICS, LLC) 20 September 2001 (2001-09-20) abstract page 3, line 26 - page 5, line 16; figures 1-6	1-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

25 April 2005

Date of mailing of the international search report

03/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel: (+31-70) 340-2040, Tx. 31 651-epo.nl,  
Fax: (+31-70) 340-3016

Authorized officer

Fülöp, I

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DK2004/000832

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 459 800 B1 (BRIMHALL OWEN D) 1 October 2002 (2002-10-01) abstract	4
A	EP 0 453 200 A (UNITRON INDUSTRIES LTD) 23 October 1991 (1991-10-23)	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2004/000832

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3359377	A	19-12-1967	AT 245647 B CH 412990 A DE 1872747 U GB 1047585 A	10-03-1966 15-05-1966 30-05-1963 09-11-1966
US 4620605	A	04-11-1986	AU 565576 B2 AU 3834585 A WO 8503185 A1 CA 1235791 A1 EP 0169854 A1	17-09-1987 30-07-1985 18-07-1985 26-04-1988 05-02-1986
WO 0169974	A	20-09-2001	AU 4577301 A EP 1264514 A2 EP 1450579 A1 WO 0169974 A2 US 2001036289 A1	24-09-2001 11-12-2002 25-08-2004 20-09-2001 01-11-2001
US 6459800	B1	01-10-2002	AU 7332001 A WO 0205592 A2	21-01-2002 17-01-2002
EP 0453200	A	23-10-1991	CA 2014960 A1 DE 69111668 D1 DE 69111668 T2 EP 0453200 A2 US 5204917 A	19-10-1991 07-09-1995 07-05-1997 23-10-1991 20-04-1993